

WEST



Generate Collection

L19: Entry 28 of 28

File: DWPI

Jan 4, 1996

DERWENT-ACC-NO: 1996-050827

DERWENT-WEEK: 199606

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TITLE: Low threshold voltage active matrix liq. crystal display - with liq. crystal mixt. contg. di:fluoro:phenylene cpd. of negative dielectric anisotropy, etc.

INVENTOR: ICHINOSE, H; KOMPETER, M ; PLACH, H ; REIFFENRATH, V ; TARUMI, K

PRIORITY-DATA: 1994EP-0109996 (June 28, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 19521483 A1	January 4, 1996	N/A	021	C09K019/30
JP 08048978 A	February 20, 1996	N/A	018	C09K019/42

INT-CL (IPC): C07C 25/24; C07C 43/225; C07C 69/753; C09K 19/02; C09K 19/30; C09K 19/42; C09K 19/44; C09K 19/46; G02F 1/13; G09F 9/35

ABSTRACTED-PUB-NO: DE19521483A

BASIC-ABSTRACT:

An active matrix (AM) liq. crystal display consists of an AM diode arrangement together with a pair of parallel substrates enclosing a nematic liq. crystal medium consisting of (A) a cpd. of formula (I) with positive dielectric anisotropy and (B) a cpd. of formula (II) with negative dielectric anisotropy. R1 and R2 = alkyl, alkoxy, alkenyloxy, oxaalkyl or alkenyl with 1-15C; R3 = X-Q or as R1; Q = CF2, OCF2, OCFH, OCH2CFH, OCHF2, OCF2CF2 or a single bond; X = F or Cl; Z1 and Z2 = -Ctripple bond-, -COO-, -CH2CH2- or a single bond; rings A1 and A2 = 1,4-cyclohexylene or 3L3,5L4-phenyl-1,4-ene; rings A3 and A4 = 1,4-cyclohexylene or 2L5,3L6-phenyl-1,4-ene; L1-L4 = H or F; o and m = 0 or 1; and n = 1 or 2.

ADVANTAGE - Unlike the MIM displays of WO9301253 which have a 2,3-difluoro phenylether or 2,3-difluorotolane as component (B), the above displays with cpds. of formula (II) as B have low threshold voltages and high specific resistance.

WEST**End of Result Set**

Generate Collection

L19: Entry 28 of 28

File: DWPI

Jan 4, 1996

DERWENT-ACC-NO: 1996-050827

DERWENT-WEEK: 199606

COPYRIGHT 2001 DERWENT INFORMATION LTD

TITLE: Low threshold voltage active matrix liq. crystal display - with liq. crystal mixt. contg. di:fluoro:phenylene cpd. of negative dielectric anisotropy, etc.

INVENTOR: ICHINOSE, H; KOMPTER, M ; PLACH, H ; REIFFENRATH, V ; TARUMI, K

PRIORITY-DATA: 1994EP-0109996 (June 28, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 19521483 A1	January 4, 1996	N/A	021	C09K019/30
JP 08048978 A	February 20, 1996	N/A	018	C09K019/42

INT-CL (IPC): C07C 25/24; C07C 43/225; C07C 69/753; C09K 19/02; C09K 19/30; C09K 19/42; C09K 19/44; C09K 19/46; G02F 1/13; G09F 9/35

ABSTRACTED-PUB-NO: DE19521483A

BASIC-ABSTRACT:

An active matrix (AM) liq. crystal display consists of an AM diode arrangement together with a pair of parallel substrates enclosing a nematic liq. crystal medium consisting of (A) a cpd. of formula (I) with positive dielectric anisotropy and (B) a cpd. of formula (II) with negative dielectric anisotropy. R1 and R2 = alkyl, alkoxy, alkenyloxy, oxaalkyl or alkenyl with 1-15C; R3 = X-Q or as R1; Q = CF2, OCF2, OCFH, OCH2CFH, OCHF2, OCF2CF2 or a single bond; X = F or Cl; Z1 and Z2 = -Ctripple bondC-, -COO-, -CH2CH2- or a single bond; rings A1 and A2 = 1,4-cyclohexylene or 3L3,5L4-phenyl-1,4-ene; rings A3 and A4 = 1,4-cyclohexylene or 2L5,3L6-phenyl-1,4-ene; L1-L4 = H or F; o and m = 0 or 1; and n = 1 or 2.

ADVANTAGE - Unlike the MIM displays of WO9301253 which have a 2,3-difluoro phenylether or 2,3-difluorotolane as component (B), the above displays with cpds. of formula (II) as B have low threshold voltages and high specific resistance.

WEST**End of Result Set****Generate Collection**

L20: Entry 3 of 3

File: EPAB

Jul 18, 1996

PUB-NO: WO009621881A1

DOCUMENT-IDENTIFIER: WO 9621881 A1

TITLE: LIQUID CRYSTAL DISPLAY DEVICE

PUBN-DATE: July 18, 1996

INVENTOR-INFORMATION:

NAME

COUNTRY

LEENHOUTS, FRANS

N/A

WOLFS, PETER BAS ANTON

N/A

INT-CL (IPC): G02F 1/1333; G02F 1/136

EUR-CL (EPC): G02F001/136

ABSTRACT:

The invention provides active-matrix display devices with non-linear two-pole switching elements such as MIMs (15) or three-pole switching elements such as TFTs having a smaller difference in charge current at a different image content by using a suitable (DELTA epsilon / epsilon ORTHOGONAL). This leads to less burn-in of the image to be displayed. Moreover, a satisfactory transmission characteristic is obtained at a higher value of epsilon ORTHOGONAL . For TFTs it is then possible to use smaller auxiliary capacitances due to the higher values of (epsilon ORTHOGONAL). The latter aspect may in turn be utilized to realise a larger aperture.

WEST**Generate Collection****Search Results - Record(s) 1 through 20 of 25 returned.**☐ **1. Document ID: US 6183821 B1**

L4: Entry 1 of 25

File: USPT

Feb 6, 2001

US-PAT-NO: 6183821

DOCUMENT-IDENTIFIER: US 6183821 B1

TITLE: STN liquid-crystal display

DATE-ISSUED: February 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hirschmann; Harald	Darmstadt	N/A	N/A	DEX
Schupfer; Sven	Aschaffenburg	N/A	N/A	DEX
Reuter; Marcus	Darmstadt	N/A	N/A	DEX
Reiffenrath; Volker	Rossdorf	N/A	N/A	DEX
Schoen; Sabine	Darmstadt	N/A	N/A	DEX

US-CL-CURRENT: 428/1.1; 252/299.01, 252/299.61, 252/299.63, 252/299.66,
252/299.67, 349/186

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Desc	Image
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☐ **2. Document ID: US 6171665 B1**

L4: Entry 2 of 25

File: USPT

Jan 9, 2001

US-PAT-NO: 6171665

DOCUMENT-IDENTIFIER: US 6171665 B1

TITLE: Liquid-crystalline medium

DATE-ISSUED: January 9, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heckmeier; Michael	Bensheim	N/A	N/A	DEX
Schuler; Brigitte	Haibach	N/A	N/A	DEX
Reiffenrath; Volker	Rossdorf	N/A	N/A	DEX

US-CL-CURRENT: 428/1.1; 252/299.01, 252/299.63, 349/143, 349/196

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Desc	Image
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☐ 3. Document ID: US 6159393 A

L4: Entry 3 of 25

File: USPT

Dec 12, 2000

US-PAT-NO: 6159393

DOCUMENT-IDENTIFIER: US 6159393 A

TITLE: Benzene derivatives and liquid-crystalline medium

DATE-ISSUED: December 12, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tarumi; Kazuaki	Seeheim	N/A	N/A	DEX
Bartmann; Ekkehard	Erzhausen	N/A	N/A	DEX
Reiffenrath; Volker	Rossdorf	N/A	N/A	DEX
Schoen; Sabine	Darmstadt	N/A	N/A	DEX
Pauluth; Detlef	Ober-Ramstadt	N/A	N/A	DEX
Schuler; Brigitte	Grossostheim	N/A	N/A	DEX
Poetsch; Eike	Muhlthal	N/A	N/A	DEX

US-CL-CURRENT: 252/299.63; 252/299.61, 252/299.66, 570/128, 570/144

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Draw Desc	Image
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☐ 4. Document ID: US 6146720 A

L4: Entry 4 of 25

File: USPT

Nov 14, 2000

US-PAT-NO: 6146720

DOCUMENT-IDENTIFIER: US 6146720 A

TITLE: Electro-optical liquid-crystal display

DATE-ISSUED: November 14, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pausch; Axel	Seeheim	N/A	N/A	DEX
Poetsch; Eike	Muhlthal	N/A	N/A	DEX
Tarumi; Kazuaki	Seeheim	N/A	N/A	DEX
Huth; Anja	Riedstadt	N/A	N/A	DEX
Wachtler; Andreas	Tubingen	N/A	N/A	DEX
Beyer; Andreas	Hanau	N/A	N/A	DEX
Schuler; Brigitte	Grossostheim	N/A	N/A	DEX
Reiffenrath; Volker	Rossdorf	N/A	N/A	DEX
Bremer; Matthias	Darmstadt	N/A	N/A	DEX
Kompter; Michael	Riedstadt	N/A	N/A	DEX

US-CL-CURRENT: 428/1.1; 252/299.63, 252/299.66, 252/299.67

Full	Title	Citation	Front	Review	Classification	Date	Reference
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FIGS	Draw Desc	Image
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☐ 5. Document ID: US 6146719 A

L4: Entry 5 of 25

File: USPT

Nov 14, 2000

US-PAT-NO: 6146719

DOCUMENT-IDENTIFIER: US 6146719 A

TITLE: Liquid-crystalline compounds, and liquid-crystalline medium

DATE-ISSUED: November 14, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Poetsch; Eike	Muhlthal	N/A	N/A	DEX
Schuler; Brigitte	Grossostheim	N/A	N/A	DEX
Heckmeier; Michael	Muhlthal	N/A	N/A	DEX
Reiffenrath; Volker	Rossdorf	N/A	N/A	DEX
Binder; Werner	Dieburg	N/A	N/A	DEX
Krause; Joachim	Dieburg	N/A	N/A	DEX

US-CL-CURRENT: 428/1.1; 252/299.01, 252/299.61, 252/299.62, 252/299.63, 252/299.67

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw. Desc	Image
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☐ 6. Document ID: US 6083573 A

L4: Entry 6 of 25

File: USPT

Jul 4, 2000

US-PAT-NO: 6083573

DOCUMENT-IDENTIFIER: US 6083573 A

TITLE: Liquid-crystalline medium

DATE-ISSUED: July 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tarumi; Kazuaki	Seeheim	N/A	N/A	DEX
Schuler; Brigitte	Grossostheim	N/A	N/A	DEX
Poetsch; Eike	Muhlthal	N/A	N/A	DEX

US-CL-CURRENT: 428/1.1; 252/299.01, 252/299.61, 252/299.63

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw. Desc	Image
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☐ 7. Document ID: US 6080452 A

L4: Entry 7 of 25

File: USPT

Jun 27, 2000

US-PAT-NO: 6080452

DOCUMENT-IDENTIFIER: US 6080452 A

TITLE: Electro-optical liquid-crystal display

DATE-ISSUED: June 27, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tarumi; Kazuaki	Seeheim	N/A	N/A	DEX
Beyer; Andreas	Hanau	N/A	N/A	DEX
Poetsch; Eike	Muhlthal	N/A	N/A	DEX

US-CL-CURRENT: 428/1.1; 252/299.01, 252/299.61, 252/299.62, 252/299.63,
252/299.66, 252/299.67, 349/132

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 8. Document ID: US 6080451 A

L4: Entry 8 of 25

File: USPT

Jun 27, 2000

US-PAT-NO: 6080451

DOCUMENT-IDENTIFIER: US 6080451 A

TITLE: STN liquid crystal display

DATE-ISSUED: June 27, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hirschmann; Harald	Darmstadt	N/A	N/A	DEX
Schupfer; Sven	Aschaffenburg	N/A	N/A	DEX
Reiffenrath; Volker	Rossdorf	N/A	N/A	DEX
Schoen; Sabine	Darmstadt	N/A	N/A	DEX

US-CL-CURRENT: 428/1.1; 252/299.61, 252/299.63, 252/299.66, 252/299.67, 349/180,
349/186, 349/76

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 9. Document ID: US 6063456 A

L4: Entry 9 of 25

File: USPT

May 16, 2000

US-PAT-NO: 6063456

DOCUMENT-IDENTIFIER: US 6063456 A

TITLE: STN liquid-crystal display

DATE-ISSUED: May 16, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hirschmann; Harald	Darmstadt	N/A	N/A	DEX
Schupfer; Sven	Aschaffenburg	N/A	N/A	DEX
Reiffenrath; Volker	Rossdorf	N/A	N/A	DEX
Schoen; Sabine	Darmstadt	N/A	N/A	DEX

US-CL-CURRENT: 428/1.1; 252/299.61, 252/299.63, 349/179, 349/181

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KMC	Draw. Desc	Image
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☐ 10. Document ID: US 6056894 A

L4: Entry 10 of 25

File: USPT

May 2, 2000

US-PAT-NO: 6056894

DOCUMENT-IDENTIFIER: US 6056894 A

TITLE: TN and STN liquid-crystal display

DATE-ISSUED: May 2, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hirschmann; Harald	Darmstadt	N/A	N/A	DEX
Weller; Clarissa	Darmstadt	N/A	N/A	DEX
Reiffenrath; Volker	Rossdorf	N/A	N/A	DEX

US-CL-CURRENT: 252/299.63; 252/299.61, 252/299.66, 252/299.67, 349/179, 349/182

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KMC	Draw. Desc	Image
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☐ 11. Document ID: US 6054193 A

L4: Entry 11 of 25

File: USPT

Apr 25, 2000

US-PAT-NO: 6054193

DOCUMENT-IDENTIFIER: US 6054193 A

TITLE: Supertwist liquid-crystal display

DATE-ISSUED: April 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hirschmann; Harald	Darmstadt	N/A	N/A	DEX
Reuter; Marcus	Darmstadt	N/A	N/A	DEX
Reiffenrath; Volker	Rossdorf	N/A	N/A	DEX

US-CL-CURRENT: 428/1.2; 252/299.61, 252/299.63, 252/299.66, 252/299.67, 349/178,
349/179, 349/180, 349/182

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 12. Document ID: US 6045878 A

L4: Entry 12 of 25

File: USPT

Apr 4, 2000

US-PAT-NO: 6045878

DOCUMENT-IDENTIFIER: US 6045878 A

TITLE: Electro-optical liquid-crystal display

DATE-ISSUED: April 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tarumi; Kazuaki	Seeheim	N/A	N/A	DEX
Beyer; Andreas	Hanau	N/A	N/A	DEX
Reiffenrath; Volker	Rossdorf	N/A	N/A	DEX
Poetsch; Eike	Muhlthal	N/A	N/A	DEX

US-CL-CURRENT: 428/1.2; 252/299.61, 252/299.62, 252/299.63, 252/299.64,
252/299.65, 252/299.66, 252/299.67

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 13. Document ID: US 6036884 A

L4: Entry 13 of 25

File: USPT

Mar 14, 2000

US-PAT-NO: 6036884
DOCUMENT-IDENTIFIER: US 6036884 A

TITLE: Liquid-crystalline medium

DATE-ISSUED: March 14, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tarumi; Kazuaki	Seeheim	N/A	N/A	DEX
Schuler; Brigitte	Grossostheim	N/A	N/A	DEX
Reiffenrath; Volker	Rossdorf	N/A	N/A	DEX

US-CL-CURRENT: 252/299.63; 252/299.66

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 14. Document ID: US 6028655 A

L4: Entry 14 of 25

File: USPT

Feb 22, 2000

US-PAT-NO: 6028655
DOCUMENT-IDENTIFIER: US 6028655 A

TITLE: TN and STN liquid-crystal display

DATE-ISSUED: February 22, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weber; Georg	Erzhausen	N/A	N/A	DEX
Hirschmann; Harald	Darmstadt	N/A	N/A	DEX
Reiffenrath; Volker	Rossdorf	N/A	N/A	DEX
Patwal; Ursula	Rossdorf	N/A	N/A	DEX
Zimmermann; Dagmar	Gross-Gerau	N/A	N/A	DEX

US-CL-CURRENT: 349/182; 252/299.61, 252/299.63, 252/299.66, 252/299.67

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 15. Document ID: US 5997767 A

L4: Entry 15 of 25

File: USPT

Dec 7, 1999

US-PAT-NO: 5997767

DOCUMENT-IDENTIFIER: US 5997767 A

TITLE: STN liquid-crystal display

DATE-ISSUED: December 7, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hirschmann; Harald	Darmstadt	N/A	N/A	DEX
Weller; Clarissa	Darmstadt	N/A	N/A	DEX
Reiffenrath; Volker	Rossdorf	N/A	N/A	DEX

US-CL-CURRENT: [252/299.63](#); [252/299.01](#), [252/299.6](#), [252/299.66](#), [252/299.67](#), [349/186](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 16. Document ID: US 5993691 A

L4: Entry 16 of 25

File: USPT

Nov 30, 1999

US-PAT-NO: 5993691

DOCUMENT-IDENTIFIER: US 5993691 A

TITLE: Electro-optical liquid crystal display

DATE-ISSUED: November 30, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pausch; Axel	Seeheim	N/A	N/A	DEX
Poetsch; Eike	Muhlthal	N/A	N/A	DEX
Tarumi; Kazuaki	Seeheim	N/A	N/A	DEX
Huth; Anja	Riedstadt	N/A	N/A	DEX
Wachtler; Andreas	Tubingen	N/A	N/A	DEX
Beyer; Andreas	Hanau	N/A	N/A	DEX
Schuler; Brigitte	Grossostheim	N/A	N/A	DEX
Reiffenrath; Volker	Rossdorf	N/A	N/A	DEX
Bremer; Matthias	Darmstadt	N/A	N/A	DEX
Kompter; Michael	Riedstadt	N/A	N/A	DEX

US-CL-CURRENT: [252/299.63](#); [252/299.61](#), [252/299.66](#), [252/299.67](#), [349/123](#), [349/182](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 17. Document ID: US 5993692 A

L4: Entry 17 of 25

File: USPT

Nov 30, 1999

US-PAT-NO: 5993692
DOCUMENT-IDENTIFIER: US 5993692 A

TITLE: Liquid-crystalline medium

DATE-ISSUED: November 30, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tarumi; Kazuaki	Seeheim	N/A	N/A	DEX
Schuler; Brigitte	Grossostheim	N/A	N/A	DEX
Schwarz; Michael	Weierstadt	N/A	N/A	DEX
Mackert; Peter	Darmstadt	N/A	N/A	DEX

US-CL-CURRENT: 252/299.63; 252/299.66

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 18. Document ID: US 5976407 A

L4: Entry 18 of 25

File: USPT

Nov 2, 1999

US-PAT-NO: 5976407
DOCUMENT-IDENTIFIER: US 5976407 A

TITLE: Electro-optical liquid-crystal display

DATE-ISSUED: November 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tarumi; Kazuaki	Seeheim	N/A	N/A	DEX
Beyer; Andreas	Hanau	N/A	N/A	DEX
Reiffenrath; Volker	Rossdorf	N/A	N/A	DEX

US-CL-CURRENT: 252/299.01; 252/299.61, 252/299.62, 252/299.63, 252/299.64,
252/299.67

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 19. Document ID: US 5976404 A

L4: Entry 19 of 25

File: USPT

Nov 2, 1999

US-PAT-NO: 5976404

DOCUMENT-IDENTIFIER: US 5976404 A

TITLE: Supertwist liquid-crystal display

DATE-ISSUED: November 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hirschmann; Harald	Darmstadt	N/A	N/A	DEX
Weller; Clarissa	Darmstadt	N/A	N/A	DEX
Reiffenrath; Volker	Rossdorf	N/A	N/A	DEX

US-CL-CURRENT: 252/299.01; 252/299.61, 252/299.63, 252/299.66, 252/299.67

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw. Desc	Image
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☐ 20. Document ID: US 5968412 A

L4: Entry 20 of 25

File: USPT

Oct 19, 1999

US-PAT-NO: 5968412

DOCUMENT-IDENTIFIER: US 5968412 A

TITLE: Liquid-crystalline medium

DATE-ISSUED: October 19, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tarumi; Kazuaki	Seeheim	N/A	N/A	DEX
Schuler; Brigitte	Grossostheim	N/A	N/A	DEX
Poetsch; Eike	Muhlthal	N/A	N/A	DEX

US-CL-CURRENT: 252/299.63; 252/299.66

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw. Desc	Image
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Generate Collection

Term	Documents
POSITIVE.DWPI,TDBD,EPAB,JPAB,USPT.	779139
POSITIVES.DWPI,TDBD,EPAB,JPAB,USPT.	5498
DIELECTRIC.DWPI,TDBD,EPAB,JPAB,USPT.	307051
DIELECTRICS.DWPI,TDBD,EPAB,JPAB,USPT.	14880
(3 AND (POSITIVE ADJ DIELECTRIC)).USPT,JPAB,EPAB,DWPI,TDBD.	25

Display

20

Documents, starting with Document:

21

Display Format:

WEST**Generate Collection****Search Results - Record(s) 21 through 25 of 25 returned.**☐ 21. Document ID: US 5948319 A

L4: Entry 21 of 25

File: USPT

Sep 7, 1999

US-PAT-NO: 5948319

DOCUMENT-IDENTIFIER: US 5948319 A

TITLE: Nematic liquid crystal mixtures

DATE-ISSUED: September 7, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tanaka; Yukiomi	Atsugi	N/A	N/A	JPX
Numata; Hiroshi	Yokohama	N/A	N/A	JPX

US-CL-CURRENT: 252/299.66; 252/299.63

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☒ 22. Document ID: US 5919396 A

L4: Entry 22 of 25

File: USPT

Jul 6, 1999

US-PAT-NO: 5919396

DOCUMENT-IDENTIFIER: US 5919396 A

TITLE: Electro-optical liquid-crystal display

DATE-ISSUED: July 6, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tarumi; Kazuaki	Seeheim	N/A	N/A	DEX
Beyer; Andreas	Hanau	N/A	N/A	DEX
Poetsch; Eike	Muhlthal	N/A	N/A	DEX

US-CL-CURRENT: 252/299.01; 252/299.61, 252/299.62, 252/299.63, 252/299.66,
252/299.67, 349/132, 349/191

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☒ 23. Document ID: US 5772914 A

L4: Entry 23 of 25

File: USPT

Jun 30, 1998

US-PAT-NO: 5772914
DOCUMENT-IDENTIFIER: US 5772914 A

TITLE: Chiral dopes

DATE-ISSUED: June 30, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pauluth; Detlef	Ober-Ramstadt	N/A	N/A	DEX
Bremer; Matthias	Darmstadt	N/A	N/A	DEX
Plach; Herbert	Darmstadt	N/A	N/A	DEX
Weber; Georg	Erzhausen	N/A	N/A	DEX

US-CL-CURRENT: 252/299.6; 252/299.01, 252/299.61, 252/299.63, 252/299.64,
252/299.65, 252/299.66, 252/299.67, 544/298, 548/136, 549/369, 568/626, 568/647,
570/129

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☐ 24. Document ID: US 5762828 A

L4: Entry 24 of 25

File: USPT

Jun 9, 1998

US-PAT-NO: 5762828

DOCUMENT-IDENTIFIER: US 5762828 A

TITLE: Liquid crystal medium

DATE-ISSUED: June 9, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tanaka; Yukiomi	Kanagawa	N/A	N/A	JPX
Numata; Hirosh	Yokohama	N/A	N/A	JPX

US-CL-CURRENT: 252/299.63; 252/299.01, 252/299.66

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw Desc	Image
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☒ 25. Document ID: US 5744060 A

L4: Entry 25 of 25

File: USPT

Apr 28, 1998

US-PAT-NO: 5744060
DOCUMENT-IDENTIFIER: US 5744060 A

TITLE: Liquid-crystalline medium

DATE-ISSUED: April 28, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tarumi; Kazuaki	Seeheim-Jugenheim	N/A	N/A	DEX
Schuler; Brigitte	Grossostheim	N/A	N/A	DEX
Bartmann; Ekkehard	Erzhausen	N/A	N/A	DEX
Pauluth; Detlef	Ober-Ramstadt	N/A	N/A	DEX

US-CL-CURRENT: 252/299.63; 252/299.66

Full	Title	Citation	Front	Review	Classification	Date	Reference
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KWIC	Draw	Desc	Image
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MATRIX.DWPI,TDBD,EPAB,JPAB,USPT.	401454
MATRICES.DWPI,TDBD,EPAB,JPAB,USPT.	39649
MATRIXES.DWPI,TDBD,EPAB,JPAB,USPT.	5332
((THREE ADJ POLE) SAME (ACTIVE ADJ MATRIX)).USPT,JPAB,EPAB,DWPI,TDBD.	3

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USPT,JPAB,EPAB,DWPI,TDBD	pch-n\$	6	L14
USPT,JPAB,EPAB,DWPI,TDBD	pch-n\$5	5	L13
USPT,JPAB,EPAB,DWPI,TDBD	pch-n\$3ff	0	L12
USPT,JPAB,EPAB,DWPI,TDBD	ccp-n\$3ff	0	L11
USPT,JPAB,EPAB,DWPI,TDBD	15 and 19	1	L10
USPT,JPAB,EPAB,DWPI,TDBD	ccp\$5FF	8	L9
USPT,JPAB,EPAB,DWPI,TDBD	17 and 15	0	L8
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